

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A travel direction device in which a direction about a traveling route is set, traveling direction data relative to the traveling route having been traveled in the past is read out from a memory means and frequency of the traveling direction is obtained, a notification of the direction is given less frequently than a number of times ~~the~~a car driveshas driven the traveling route if the car ~~drives~~has driven the traveling route a plurality of times.

2. (Previously Presented) A travel direction device according to claim 1, wherein the notification of the direction is given a predetermined number of times during a predetermined period of time.

3. (Currently amended) A travel direction device according to claim 2, wherein the notification of the direction is given in a predetermined probability relating to performance of the traveling direction every time the car drives the ~~travel~~traveling route.

4. (Currently amended) A travel direction device according to claim 3, wherein there are a plurality of different types of notification of the direction, and the notification of direction is given by selecting at least one of the plurality of types thereof.

5. (Previously Presented) A travel direction device according to claim 3, wherein when the car enters a predetermined area including the traveling route a plurality of times, the notification of direction is given less frequently than the number of times the car enters the predetermined area.

6. (Previously Presented) A travel direction device according to claim 4, wherein when the car enters a predetermined area including the traveling route a plurality of times, the notification of direction is given less frequently than the number of times the car enters the predetermined area.

7. (Currently amended) A travel direction device according to claim 5, wherein when the predetermined area comprises a divided plurality of areas, and the plurality of the areas are considered to be in the same group and are ~~is~~ identified to ~~notify~~indicate the direction.

8. (Original) A travel direction device according to claim 7, wherein the predetermined area is a school zone centered about a school.

9-13. (Cancelled)

14. (Currently amended) A travel direction device comprising a controlling means for setting a predetermined area centered about a school as a school zone and giving warnings about cautions for travel when a car drives roads in the set school zone based on school days information and school time information, and

an output means for outputting the warnings from the controlling means,

wherein said controlling means changes contents of the warnings depending on school types, road types, isolation duration of the area, and vehicle speed.

15. (Cancelled)

16. (Currently amended) A travel direction device comprising a controlling means for setting a predetermined area centered about a school as a school zone and giving warnings about cautions of travel when a car drives roads in

the set school zone based on school days information and
school time information; and

an output means for outputting the warnings from the
controlling means,

wherein said controlling means sends a deceleration
command signal to a control device of the car when the car
drives through the school zone so as to reduce the speed.

17. (Previously Presented) A travel direction
warning device comprising: a continuous driving detection
means for detecting a continuous driving condition of a car
by comparing the driving condition of the car with a pre-set
reference value of the driving condition, and a voice output
means for outputting a voice warning when the continuous
driving is detected by the continuous driving detection means,

wherein the voice output means changes expressions
of the voice warnings, age and sex of the voice, depending on
time zone, season, events or a number of times of travel.

18. (Currently amended) A travel ~~warning~~-direction
warning device according to claim 17, wherein the continuous
driving detection means detects long time driving.

19. (Currently amended) A travel ~~warning-direction~~
warning device according to claim 18, wherein the continuous
driving detection means detects long distance driving.

20. (Currently amended) A travel ~~warning-direction~~
warning device according to claim 17, wherein detection by the
continuous driving detection means is reset if discontinued
for more than a predetermined period of time.

21. (Currently amended) A travel ~~warning-direction~~
warning device according to claim 17, wherein the travel
warning direction device comprises a driver change detection
means for detecting a change of a driver, and detection of the
continuous driving detection means is reset when the driver
change detection means detects the driver change.

22. (Currently amended) A travel ~~warning-direction~~
warning device according to claim 17, wherein the reference
value changes depending on road types.

23. (Currently amended) A travel ~~warning-direction~~
warning device according to claim 22, wherein the reference
value changed depending on time zone.

24. (Currently amended) A travel ~~warning-direction~~
warning device comprising a monotony driving detection means

for detecting whether or not a car drives within a preset reference speed range for a predetermined period of time when driving on local roads, and a voice output means for outputting a voice warning when the monotony driving detection means detects that the car drives within the reference speed range for the predetermined period of time.

25. (Currently amended) A travel ~~warning-direction~~ warning device according to claim 24, wherein when detecting the monotony driving, a new reference speed is set when the car drives in a speed out of the reference speed range.

26. (Currently amended) A travel ~~warning-direction~~ warning device according to claim 25, wherein the monotony driving detection means ~~has a plurality of reference speed candidates for possible reference speed to be set~~ sets reference speed candidates on a high speed side and low speed side of a pre-set reference speed respectively, sets the reference speed range between the reference speed candidate faster than the set reference speed and the reference speed candidate slower than the set reference speed, stores the last time of the set reference speed, sets the reference speed candidate out of the reference speed range as a new reference speed when the vehicle speed is out of the reference speed range, and calculates the traveling time of the new reference

speed range from the latest time when the set reference speed stored immediately before.

27. (Currently amended) A travel ~~warning-direction~~ warning device according to claim 26, wherein the voice output means changes expressions of the voice warnings, age and sex of the voice, depending on time zone, season, events or a number of times of travel.

28. (Currently amended) A travel ~~warning-direction~~ warning device, comprising:

a comparator means for comparing continuous driving time or continuous traveling distance of a car with a pre-set reference value of the driving time or traveling distance, and

a voice output means for outputting a voice warning when a ~~long driving or long distance traveling is detected by the comparator means~~ the driving time or continuous traveling distance of the car detected by the comparator means is over the pre-set reference value,

wherein the voice output means changes expressions of the voice warnings, age and sex of the voice, depending on time zone, season, events or a number of times of travel .

29. (Currently amended) A travel ~~warning-direction~~ warning device, comprising:

an unsafe driving detection means for detecting an unsafe driving condition by comparing the driving conditions of the car with a pre-set reference value ~~off~~for the unsafe driving condition, and

a voice output means for outputting a voice warning when the unsafe driving condition is detected by the ~~comparator~~unsafe driving detection means,

wherein the voice output means changes expressions of the voice warnings, age and sex of the voice, depending on time zone, season, events or a number of times of travel.

30. (Currently amended) A travel ~~warning~~warning direction warning device according to claim 29, wherein the unsafe driving detection means detects sudden start and sudden stop of the car.

31. (Currently amended) A travel ~~warning~~warning direction warning device according to claim 29, wherein the unsafe driving detection means detects abrupt steering by a given amount of rotation of the vehicle.

32. (Currently amended) A travel ~~warning~~warning direction warning device according to claim 29, wherein the unsafe driving detection means detects abrupt steering by rotation of steering wheel.

33. (Currently amended) A travel ~~warning~~ direction warning device according to claim 31, wherein the unsafe driving detection means detects abrupt steering by using an angular velocity sensor.

34. (Currently amended) A travel ~~warning~~ direction warning device according to claim 29, wherein the warning direction by the voice output means is given in a certain ratio relative to a number of ~~times the warning is generated~~ certain plurality of times or relative to once in a week or once in a month.

35. (Currently amended) A travel ~~warning~~ direction warning device according to claim 29, wherein the warning direction by the voice output means is given irregularly with respect to a number of times the warning is generated.

36-41. (Cancelled)